

Notice of Allowability	Application No.	Applicant(s)	
	09/099,742	CHANG ET AL.	
	Examiner	Art Unit	
	Inder P Mehra	2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to "Request for reconsideration dated 10/8/04."
2. ☒ The allowed claim(s) is/are 22 and 28 (renumbered ad 1-2 respectively).
3. ☒ The drawings filed on 09 August 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


DANG TON
PRIMARY EXAMINER

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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DETAILED ACTION

1. This Office Action is in response to "Request for reconsideration" dated 10/8/04. Based on this document, claims 1-8, 10, 12-20, 23-26 and 32 are cancelled. Claims 9, 11, 21, and 31 were cancelled in amendments C and E), as noted in previous office action. Claims 22, 27-30 and 33 are pending.
2. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael Swope, Regd. No. 38041 on 11/18/04.

The application has been amended as follows:

Claims 27, 29, 30 and 33 have been cancelled.

In claim 28, line 1, "method" has been changed to "---system---"

In claim 28, line 1, "the lossless compression" has been changed to "----the compression-----".

In claim 28 line 1, "27" has been changed to "---22---".

Allowable Subject Matter

4. Claims 22 and 28 are allowed.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose or suggest the following limitations, in combination with other limitations:

As recited by claim 22,

an encoder system comprising:

a plurality of encode units operable to receive components of a pixel separated from a bitstream and to encode the components using a compression algorithm; the encode units further operable to construct packets from the encoded components, where at least one packet is associated with each encoded component and the at least one packet comprises header information and encoded data and wherein the header information comprises a length, a size and an alignment; and

a multiplexer coupled to the encode units, the multiplexer operable to combine the packets into a packetized encoded bitstream; and

a decoder system comprising:

a feeder operable to separate packets from the packetized encoded bitstream, wherein the feeder comprises:

an input queue operable to receive the packetized encoded bitstream;

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a multiplexer coupled to the input queue;
a register coupled to the multiplexer;
a demultiplexer coupled to the register and to the decode queues; and
a left shift unit coupled to the register and to the multiplexer;
a plurality of decode queues, the feeder further operable to distribute the packets in order to the decode queues;
a plurality of decode limits each associated with one of the decode queues, the decode units operable to decode packets using a decompression algorithm to recover the encoded data and to reconstruct the components; and
a demultiplexer coupled to the plurality of decode units the demultiplexer operable to combine the plurality of components to recover the bitstream.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Inder P Mehra whose telephone number is 571-272-3170. The examiner can normally be reached on Monday through Friday from 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Inder Pal Mehra
Inder P Mehra
Examiner
Art Unit 2666


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